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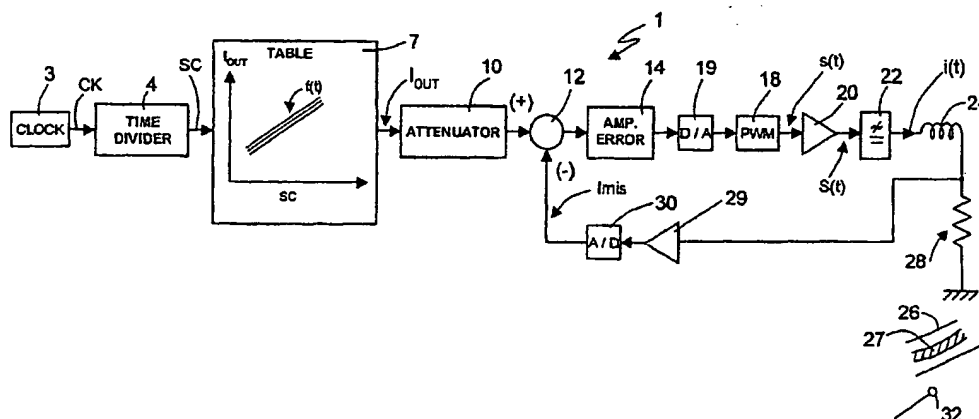
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(54) Title: **ELECTROMAGNETIC FIELD STIMULATOR DEVICE FOR ANATOMIC BIOPHYSICAL CHONDROPROTECTION**



(57) Abstract: Electromagnetic field stimulator device in which a current generator device (7, 18 and 20) supplies a solenoid (24) with current $i(t)$ the waveform of which includes the repetition of a ramp having a certain slope. This current causes the generation of an electromagnetic field that induces on a control probe (32) irradiated by the electromagnetic field, an induced voltage (V_{in}) of markedly constant amplitude during the ramp-like linear growth period of the current ($i(t)$). This electromagnetic field is used to preserve the integrity of articular cartilage subject to degeneration.